

TRAITE DE COOPERATION EN MATIERE DE BREVETS

PCT

REC'D 28 JUN 2004

RAPPORT D'EXAMEN PRELIMINAIRE INTERNATIONAL PCT

(article 36 et règle 70 du PCT)

Référence du dossier du déposant ou du mandataire	POUR SUITE A DONNER voir la notification de transmission du rapport d'examen préliminaire international (formulaire PCT/PEA/416)	
Demande internationale No. PCT/FR 03/00701	Date du dépôt international (jour/mois/année) 05.03.2003	Date de priorité (jour/mois/année) 06.03.2002
Classification internationale des brevets (CIB) ou à la fois classification nationale et CIB D21H17/13		
Déposant SAINT-GOBAIN VETROTEX FRANCE S.A.		

1. Le présent rapport d'examen préliminaire international, établi par l'administration chargée de l'examen préliminaire international, est transmis au déposant conformément à l'article 36.



2. Ce RAPPORT comprend 4 feuilles, y compris la présente feuille de couverture.

- ☐ Il est accompagné d'ANNEXES, c'est-à-dire de feuilles de la description, des revendications ou des dessins qui ont été modifiées et qui servent de base au présent rapport ou de feuilles contenant des rectifications faites auprès de l'administration chargée de l'examen préliminaire international (voir la règle 70.16 et l'instruction 607 des Instructions administratives du PCT).

Ces annexes comprennent feuilles.

3. Le présent rapport contient des indications et les pages correspondantes relatives aux points suivants :

- I ☒ Base de l'opinion
- II ☐ Priorité
- III ☐ Absence de formulation d'opinion quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle
- IV ☐ Absence d'unité de l'invention
- V ☒ Déclaration motivée selon la règle 66.2(a)(II) quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle; citations et explications à l'appui de cette déclaration
- VI ☐ Certains documents cités
- VII ☐ Irrégularités dans la demande internationale
- VIII ☐ Observations relatives à la demande internationale

Date de présentation de la demande d'examen préliminaire internationale 06.05.2003	Date d'achèvement du présent rapport 25.06.2004
Nom et adresse postale de l'administration chargée de l'examen préliminaire international  Office européen des brevets D-80298 Munich Tél. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Fonctionnaire autorisé Okunowski, J N° de téléphone +49 89 2399-8975 

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PRÉLIMINAIRE INTERNATIONAL**

Demande internationale n°

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5. ☐ Le présent rapport a été formulé abstraction faite (de certaines) des modifications, qui ont été considérées comme allant au-delà de l'exposé de l'invention tel qu'il a été déposé, comme il est indiqué ci-après (règle 70.2(c)) :

(Toute feuille de remplacement comportant des modifications de cette nature doit être indiquée au point 1 et annexée au présent rapport.)

6. Observations complémentaires, le cas échéant :

V. Déclaration motivée selon l'article 35(2) quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle; citations et explications à l'appui de cette déclaration

1. Déclaration

Nouveauté	Oui:	Revendications	1-25
	Non:	Revendications	
Activité inventive	Oui:	Revendications	1-25
	Non:	Revendications	
Possibilité d'application industrielle	Oui:	Revendications	1-25
	Non:	Revendications	

2. Citations et explications

voir feuille séparée

section V

En comparaison avec l'état de la technique le plus proche, US-A-4 626 289, l'objet des revendications présentes 19-25 se distingue en ce que la masse surfacique varie de moins de 20% sur la surface, et en ce que au moins 80% en poids des filaments sont sous la forme de fil comprenant au moins 10 filaments. Ces caractéristiques offrent une solution pour les problèmes évoquées de l'amélioration de la homogénéité de la nappe ainsi que la diminuation de la défilamentarisation.

En comparaison avec l'état de la technique le plus proche, l'objet des revendications présentes 1-18 se distingue en ce que le liquide d'ensimage comprend un agent collant, et en ce que une étape de sechage se trouve entre l'étape d'ensimage et l'étape de mise en dispersion.

Il n'y a pas une suggestion dans l'art antérieur que ces mesures sauraient offrir les solutions des problèmes évoqués ci-avant.

L'objet des revendications présentes est donc nouveau, et implique une activité inventive.

Translation

PATENT COOPERATION TREATY

PCT/FR2003/000701



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference CC4002011PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/FR2003/000701	International filing date (day/month/year) 05 mars 2003 (05.03.2003)	Priority date (day/month/year) 06 mars 2002 (06.03.2002)
International Patent Classification (IPC) or national classification and IPC D21H 17/13		
Applicant SAINT-GOBAIN VETROTEX FRANCE S.A.		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

3. This report is also accompanied by ANNEXES, comprising:

a. ☐ (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:

☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).

☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.

b. ☐ (sent to the International Bureau only) a total of _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

☒ Box No. I Basis of the report

☐ Box No. II Priority

☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

☐ Box No. IV Lack of unity of invention

☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

☐ Box No. VI Certain documents cited

☐ Box No. VII Certain defects in the international application

☐ Box No. VIII Certain observations on the international application

Date of submission of the demand 06 mai 2003 (06.05.2003)	Date of completion of this report 25 June 2004 (25.06.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on translations from the original language into the following language _____, which is language of a translation furnished for the purpose of:
- ☐ international search (under Rules 12.3 and 23.1(b))
- ☐ publication of the international application (under Rule 12.4)
- ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☒ The international application as originally filed/furnished
- ☒ the description:
- pages _____, as originally filed/furnished
- pages* 1-8 received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- pages 1-25 _____, as originally filed/furnished
- pages* _____, as amended (together with any statement) under Article 19
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the drawings:
- pages 1/1 _____, as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-25	YES
	Claims		NO
Inventive step (IS)	Claims	1-25	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-25	YES
	Claims		NO

2. Citations and explanations

The subject matter of the current claims 19-25 differs from the closest prior art, US-A-4 626 289, in that the surface mass varies by less than 20% over the surface, and in that at least 80% by weight of the filaments are in the form of a yarn including at least 10 filaments. These features provide a solution to the problems of improving the uniformity of the web as well as of reducing filament separation.

The subject matter of the current claims 1-18 differs from the closest prior art in that the sizing liquid includes a film former and in that a drying step is applied between the sizing step and the dispersion step.

There is no suggestion in the prior art that these measures could provide solutions to the above problems.

Therefore, the subject matter of the current claims is novel and involves an inventive step.